

INFORMATION DISCLOSURE

CITATION

NOV 09 2001
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PATENT & TRADEMARK OFFICE

ATTY DOCKET NO.

SERIAL NO.

1585-280

09/659,377

APPLICANT

Johansson et al.

FILING DATE

GROUP

September 7, 2000

3651

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,344,855	10/1967	Clark			
	3,809,609	5/1974	Krawiec et al.			
	3,886,038	5/1975	Raven			
	4,039,379	8/1977	Patterson et al.			
	4,544,522	10/1985	Curulla et al.			
	4,666,663	5/1987	Steinke			
	4,692,302	9/1987	DeMario et al.			
	4,698,204	10/1987	Taleyarkham			
	4,705,663	11/1987	Steven et al.			
	4,725,403	2/1988	Buettiker			
	4,726,926	2/1988	Patterson et al.			
D	4,728,490	3/1988	Taleyarkhan			
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D	4,804,516	2/1989	Thomazet et al.			
D	4,844,860	7/1989	Hatfield			
D	4,879,090	11/1989	Perrotti et al.			NOV 14 2001
D	4,970,048	11/1990	Noailly			
D	4,999,153	3/1991	Johansson et al.			
D	5,024,810	6/1991	Bachman			
D	5,080,858	1/1992	Nylund			
D	5,089,221	2/1992	Johansson et al.			

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	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
D	0 237 064 B1	3/1991	EPO				
D	0 428 092 A1	5/1991	EPO				
D	0 428 093 A1	5/1991	EPO				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

English language abstract of Japanese 1-138493 (A).

*Examiner

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Form PTO-FB-A820 (Also PTO-1449)

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Atty. Docket No. 1585-280	Serial No. 09/659,377
		Applicant Johansson et al.	
		Filing Date September 7, 2000	Group 3651

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	1.	5,112,571	05/12/92	Orli et al.	376	439	
	2.	4,827,063	05/02/89	Bökers et al.	376	439	
	3.	5,068,082	11/26/91	Ueda et al.	376	408	
	4.	4,968,479	11/06/90	Ogiya et al.	376	408	
Q	5.	3,070,537	12/25/62	M. Treshow	204	143.2	
Q	6.	3,132,998	05/12/64	Long et al.	176	43	
Q	7.	3,310,474	03/21/67	Saunders	176	76	
Q	8.	3,420,737	01/07/69	Marchal et al.	176	56	
Q	9.	3,629,065	12/21/71	Knox	176	54	
Q	10.	3,787,285	01/22/74	Marstrand	176	78	NOV 14 2001
Q	11.	5,017,332	05/21/91	Dix et al.	376	370	GROUP 360
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Q	14.	5,164,155	11/17/92	Wolters et al.	376	441	
Q	15.	5,186,891	02/16/93	Johansson et al.	376	438	
Q	16.	4,804,516	02/14/89	Thomazet et al.	376	439	
Q	17.	4,675,154	06/23/87	Nelson et al.	376	444	

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							YES	NO
	1.	1-176986	07/13/89	Japan			X	
	2.	3-51796	07/20/89	Japan			X	
	3.	63-144290	06/16/98	Japan			X	
	4.	0146896A2	12/14/84	European Patent Office			X	
	5.	0260602A2	09/10/87	European Patent Office			X	

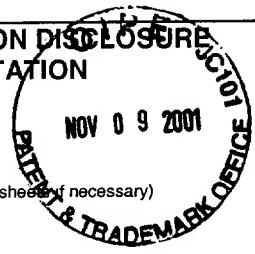
	6.	0433620A1	10/30/90	European Patent Office		X	
	7.	61-212789	09/20/96	Japan		X	
	8.	1,105,289	08/23/65	United Kingdom		N/A	
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	10.	DE3645230C2	12/09/86	Germany		X	

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	1. Vollradt, "Siedewasserreaktor mit Wendeln zwischen den Brennstoffstäben", <u>Atomwirtschaft</u> , December 1967, pp. 595-601
	2. Columbia University, "Parametric Study of CHF Data, Volume 2: A Generalized Subchannel CHF Correlation for PWR and BWR Fuel Assemblies", <u>Electric Power Research Institute</u> , January 1983, NP-2608, Volume 2, Research Project 813, pp. S-4 - S-5; 3-24 - 3-26
	3. Israel, et al., "Critical Heat Flux Measurements In a 16-Rod Simulation of a BWR Fuel Assembly", <u>Journal of Heat Transfer</u> , August 1969, pp. 355-363
□ □	4. Marstrand, "On Fuel Assemblies with Deflectors for Steam-Water Separation for Boiling-Water Reactors", <u>Danish Atomic Energy Commission Research Establishment Risø</u> , July, 1971, pp. 6-23, 67

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	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO	
-	2192690	8/1987	Japan					
✓	1138493	5/1989	Japan					
-	3149592	6/1988	Japan					
-	2126388	6/1987	Japan					
-	9128482	7/1984	Japan					

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